Web Client Guide

TVR Digital Video Recorder

Version 2.20

American Dynamics

8200-2656-05 C0

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1 Introduction

The Web Client is embedded in the TVR. When you use the web browser to access the TVR, it is downloaded automatically.

Operation System:	Microsoft Windows XP with SP2 and SP3, Windows Vista 32 bit Home/Premium/Ultimate with SP2 and Windows 7
CPU:	Intel Pentium IV 2.4 GHz or above
RAM:	1G or above
Display:	1024×768 resolution or above
Web browser:	IE 6, IE 7 and IE8.

1.1 Install Web Client

Change the internet security level to ensure that the ActiveX control can be downloaded. Open the IE browser and navigate to: Tools → Internet Options → Security → Internet → Custom Level (see Figure 1-1). In the Settings list, enable all options related to the ActiveX control.

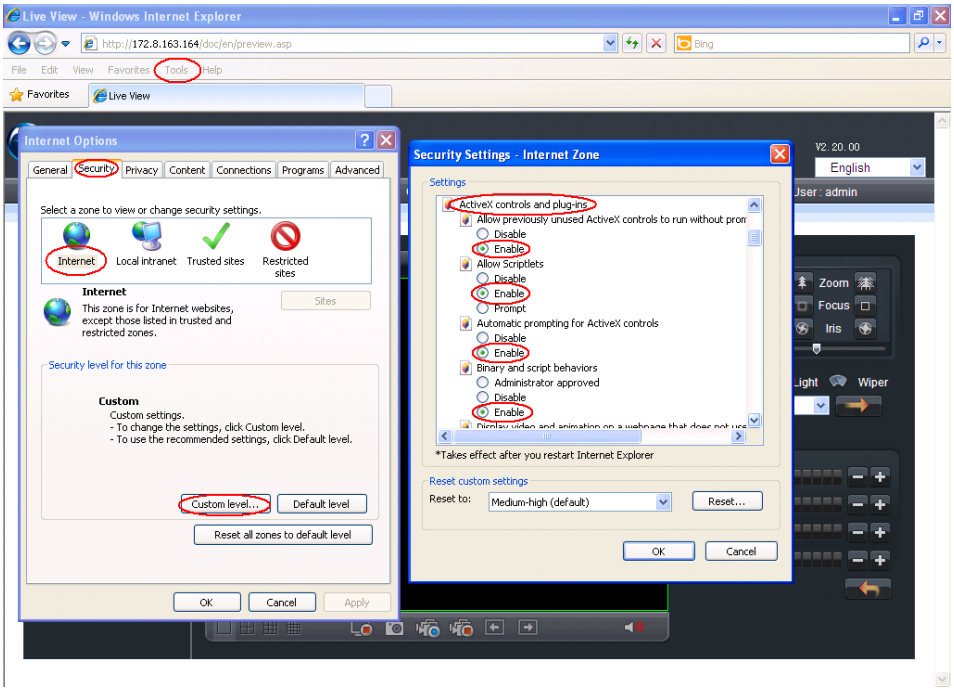


Figure 1-1

Enter the IP address or domain name of the TVR in the Browser address field and press Enter, then please confirm the installation of web client for first use. The language option includes English, French, Simplified Chinese, German, Spanish, Italian and Portuguese (Brazilian). After installation, an interface appears (see Figure 1-2), which indicates the web client has been downloaded successfully.

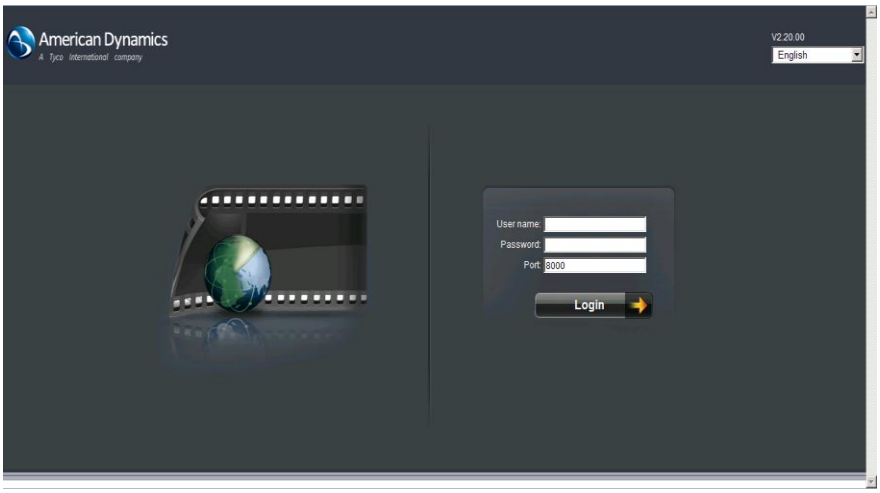


Figure 1-2

1.2 Notes for Windows Vista and Windows 7

The Web Client requires write permission if users want to save screen shots, video clips or TVR configuration files. For **Windows Vista** and **Windows 7** user, please make sure you have the full administrator privilege before operation. Otherwise the UAC (User Account Control) of Windows will restrict the respective operation and cause it to fail, as in the examples preview snapshot, preview record and export configuration file, as shown in figure 1-3,1-4 and 1-5 below.

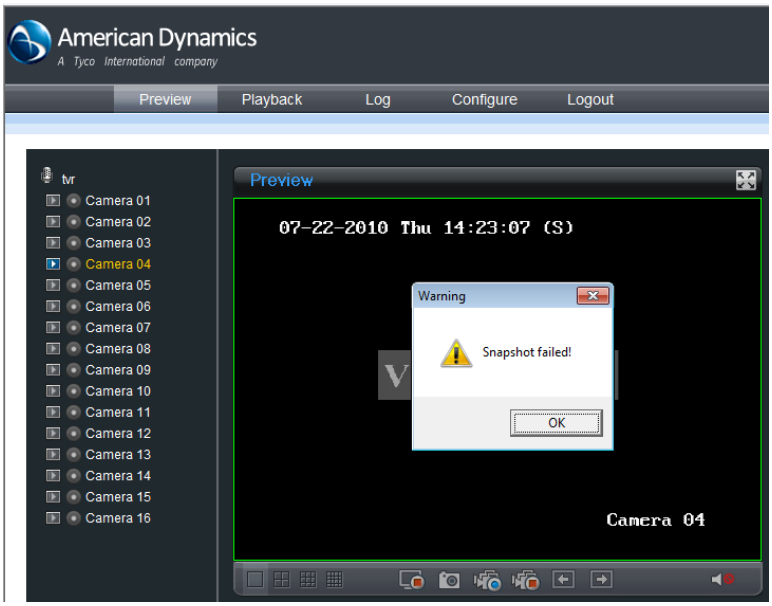


Figure 1-3

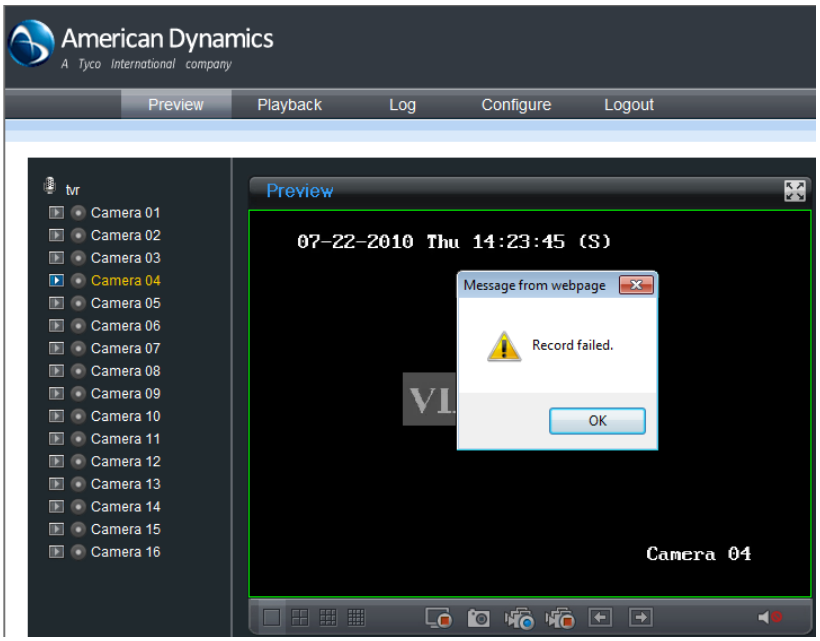


Figure 1-4

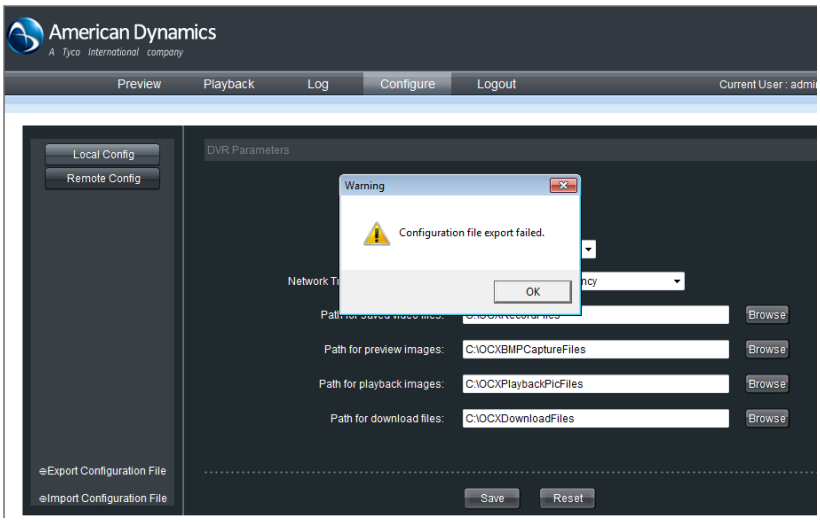


Figure 1-5

1.2.1 Run web browser as administrator

The user must operate the web browser with ‘Run as administrator’ method if taking a snapshot, recording video or exporting a configuration file. This will allow the Web Client to write files correctly. Right click on the browser icon and choose ‘Run as administrator’ option, as shown in figure 1-6 below.

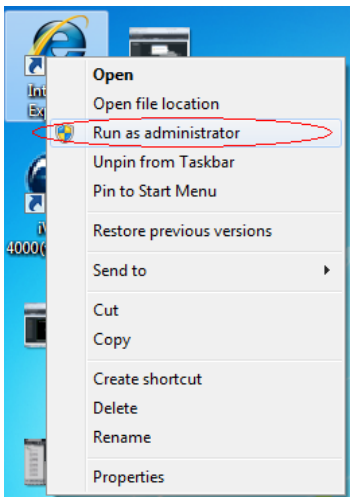


Figure 1-6

A user account control message box will popup, click on 'Yes' to proceed, as shown in figure 1-7 below.

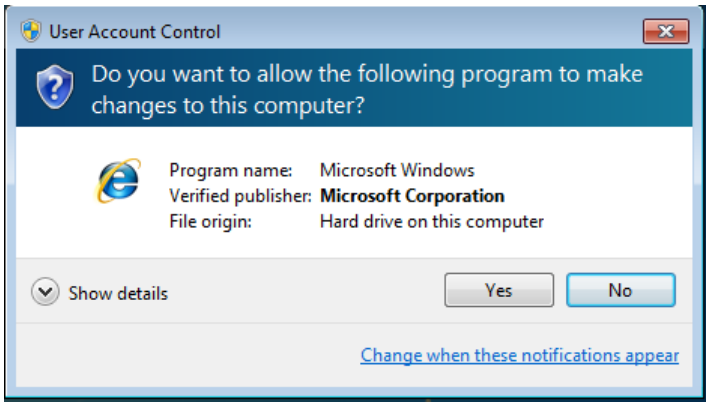

User Account Control
Do you want to allow the following program to make changes to this computer?
Program name: Microsoft Windows
Verified publisher: Microsoft Corporation
File origin: Hard drive on this computer
Show details
Yes
No
Change when these notifications appear

Figure 1-7

1.2.2 Run web browser with administrator privileges always

In order to operate the web browser with default administrator privileges permanently, the properties of the web browser shortcut should be changed.

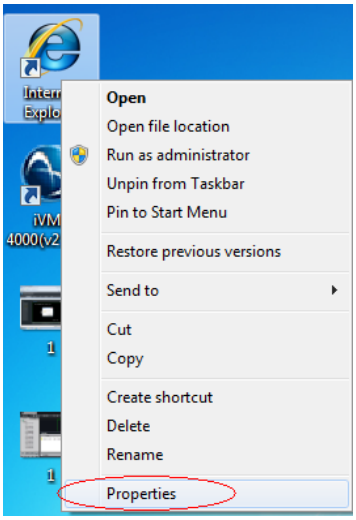


Figure 1-8

Right click on the browser icon and choose ‘Properties’ option, as shown in figure 1-8 above.

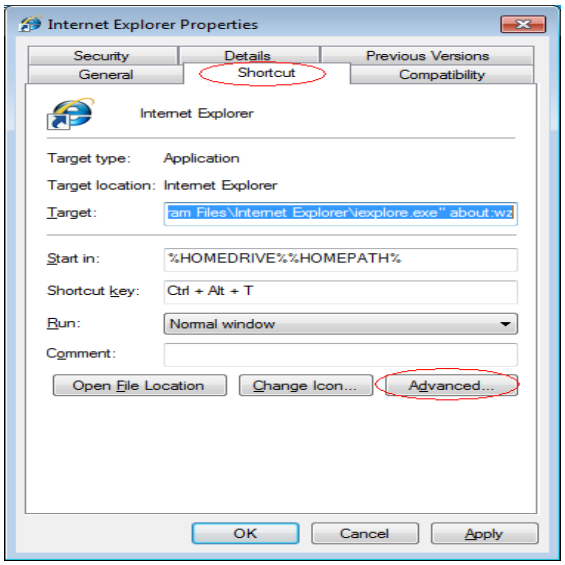


Figure 1-9

Select Shortcut tab, then click on ‘Advanced’ button, as shown in figure 1-9 above.

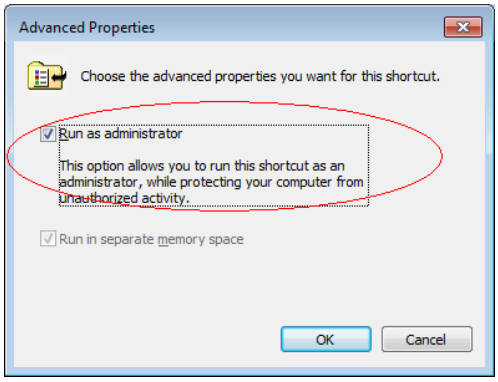

Advanced Properties
Choose the advanced properties you want for this shortcut.
Run as administrator
This option allows you to run this shortcut as an administrator, while protecting your computer from unauthorized activity.
Run in separate memory space
OK
Cancel

Figure 1-10

In ‘Advanced Properties’ check box, click to enable the ‘Run as administrator’ option, then click on OK to proceed, as shown in figure 1-10 above.

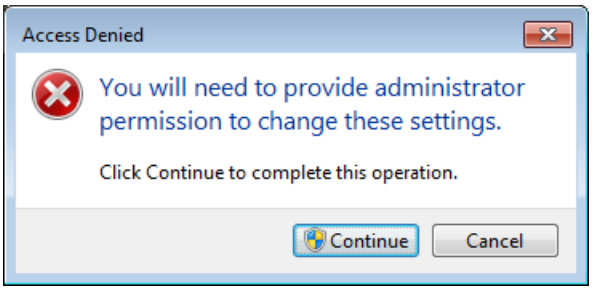

Access Denied
You will need to provide administrator permission to change these settings.
Click Continue to complete this operation.
Continue
Cancel

Figure 1-11

Click OK and a message box will popup, user must click ‘Continue’ to accept change, as shown in figure 1-11 above.

Note

If you do not understand the UAC of Windows Vista/7 or are not sure about your privileges, please contact your IT support organization for help.

2 Login and Logout

Enter the IP address or domain name of the TVR in the browser address field and press Enter. The Web Client interface will appear in English, and maximize to full screen. It will adapt to OS language automatically, and the language can be changed in the drop down list at the right corner.

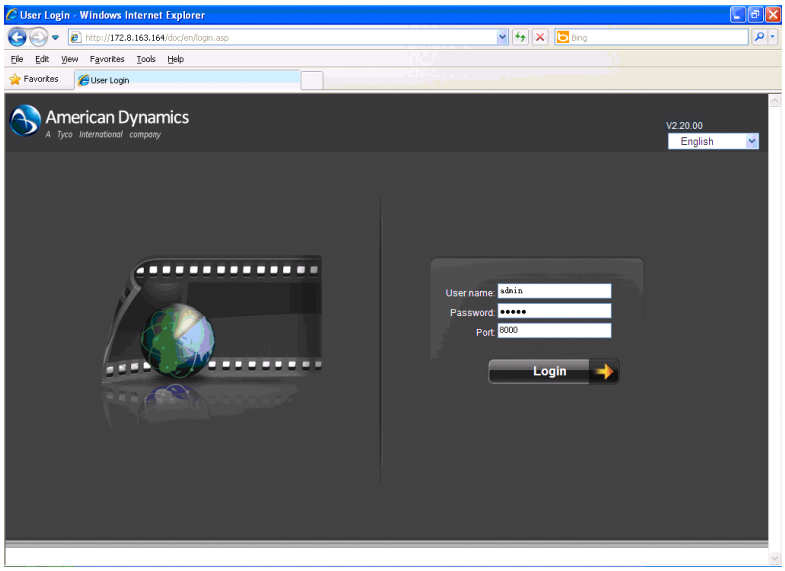


Figure 2-1

Enter the username, password and port to access to the Web Client. The default Username is *admin*, the default Password is 12345, and the default port is 8000.

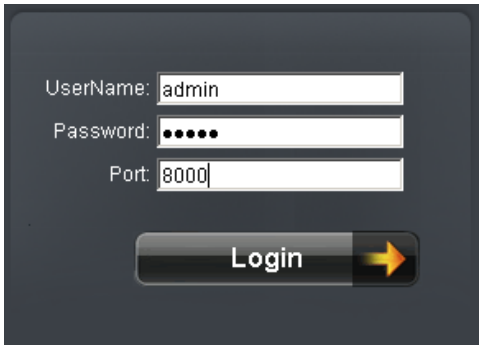
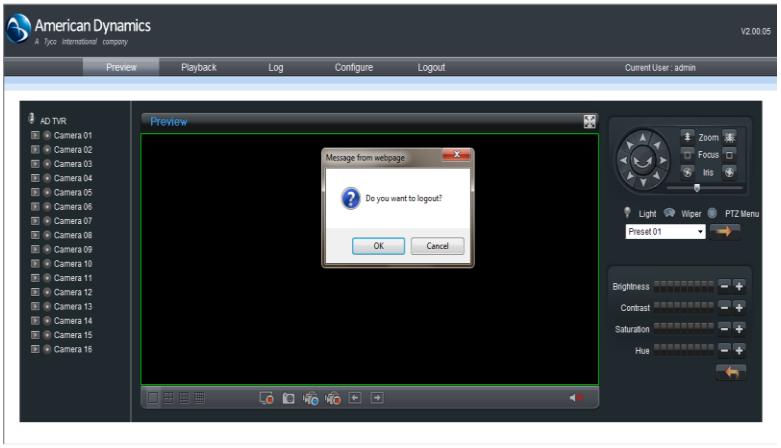


Figure 2-2

When you want to exit the Web Client, click Logout → OK to exit.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V2.00.05
Preview
Playback
Log
Configure
Logout
Current User : admin
AD TVR
Camera 01
Camera 02
Camera 03
Camera 04
Camera 05
Camera 06
Camera 07
Camera 08
Camera 09
Camera 10
Camera 11
Camera 12
Camera 13
Camera 14
Camera 15
Camera 16
Preview
Message from webpage
Do you want to logout?
OK
Cancel
Zoom
Focus
Iris
Light
Wiper
PTZ Menu
Preset 01
Brightness
Contrast
Saturation
Hue

Figure 2-3

3 Preview

The Web Client will enter the preview interface by default following a successful login:

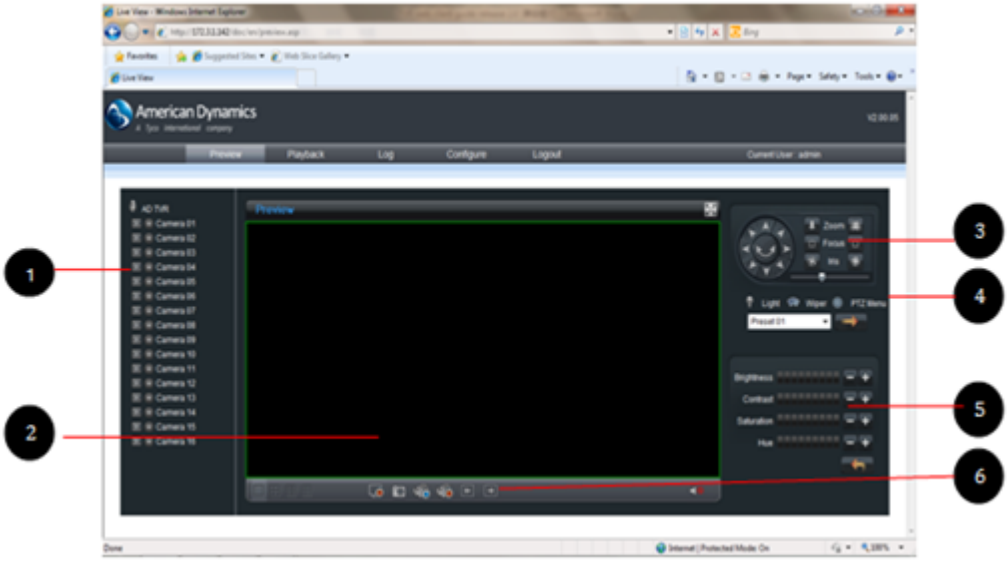

Figure 3-1

Interface description:

Zone number	Description	Zone number	Description
❶	Device and channel	❷	Video panes
❸	PTZ	❹	Light, Wiper and PTZ Menu
❺	Image parameters	❻	Playback control

Table 3-1

Playback control buttons:

Buttons	Description	Buttons	Description
	Single camera		4 cameras split
	9 cameras split		16 cameras split
	Snap shot		All channels stop preview
	All channels stop record		All channels start record
	Next page		Last page
			Audio On/Off

Table 3-2

3.1 Preview

3.1.1 Windows division

The users may select different preview modes for preview; the following are supported 1X1, 2X2, 3X3 and 4X4.

3.1.2 Live view

By channels:
Select one split window. Click on the icon in front of channel name to start previewing, the icon will turn to if the channel preview is successful as shown in Figure 3-2.

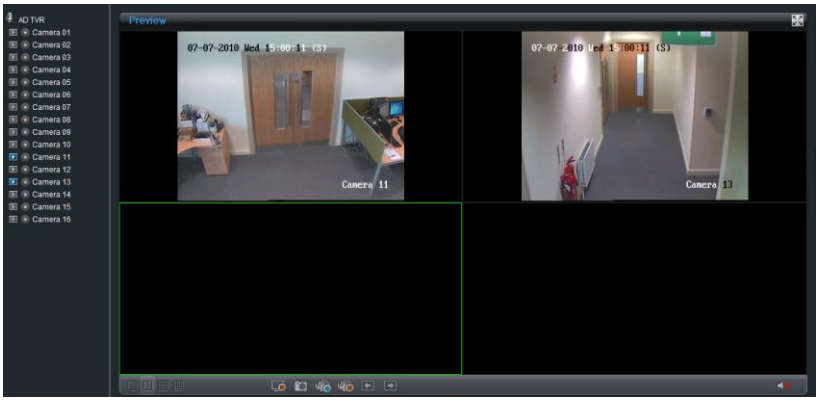

Figure 3-2

By device:
Select one split window. Double click on the name of the device to start previewing according to the number of windows selected. Click on to select the next set of channels for preview, and click on to select the previous set of channels for preview. The behavior is dependent on how many channels the TVR has and how many windows have been selected for previewing. For example if a 2X2 split window is selected and the TVR has a total of 16 channels then each time is clicked the next 4 channels will be displayed.

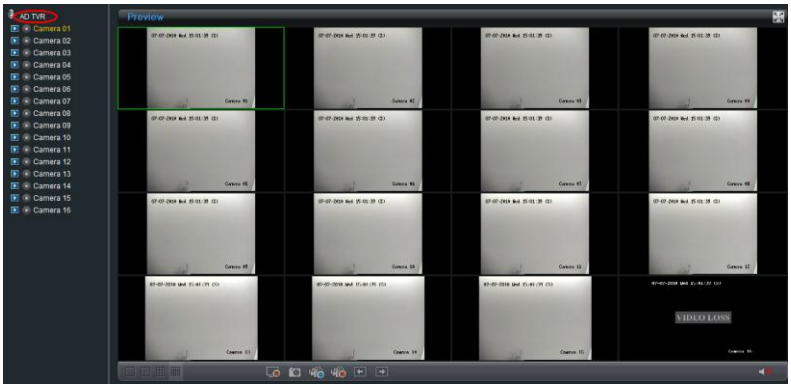

Figure 3-3

3.1.3 Live view control

Zoom: Double click on one channel in live view mode to full screen display, double click again to restore.

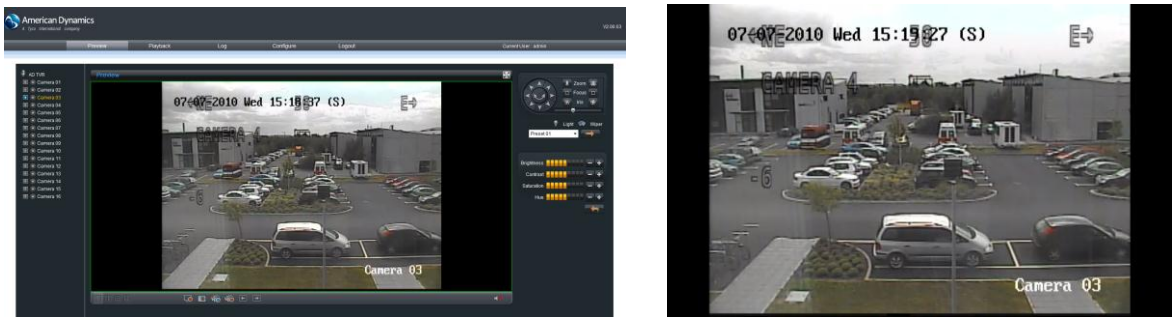

Figure 3-4

Full screen display: click on the icon for full screen display, click on the icon to restore.

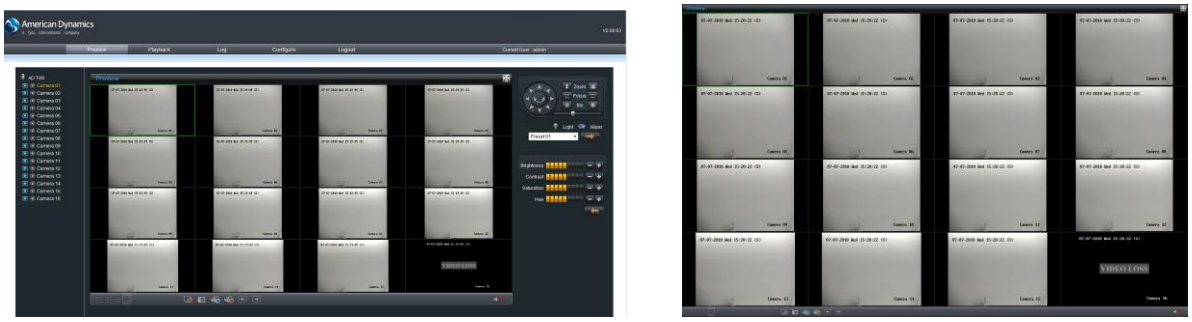

Figure 3-5

Select live view channel and click on the icon to enable audio, the audio status will turn to .

Then click on the icon to adjust volume.

Click on the icon to disable audio, the status will turn to .

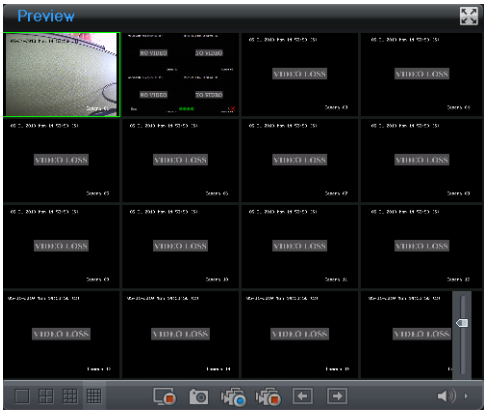

Figure 3-6

Note

Only one audio channel can be enabled, so it will automatically disable last channel's audio if you turn on next channel's audio.

3.1.4 Stop preview

Click on the icon in front of camera number, the status will turn to and stop live view.
Click on the icon to stop live view of all channels.

3.2 Start recording and take snap shot

The user can record video on to the local HDD or take snap shots when previewing.

3.2.1 Instant Recording

Enter Config > Local Config, to set the path for saved video files and select the size of video file as shown in Figure 3-7.

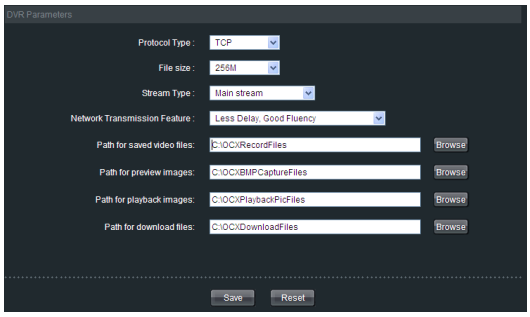

Figure 3-7

In preview mode, click on the icon in front of camera name to start recording, the icon will turn to if successful, otherwise prompt failed.
Click on the icon to stop recording, and then the folder of saved video files pops up briefly and then returns to the task bar.
Click on icon to start recording for all channels in preview mode, and click on icon to stop recording accordingly.

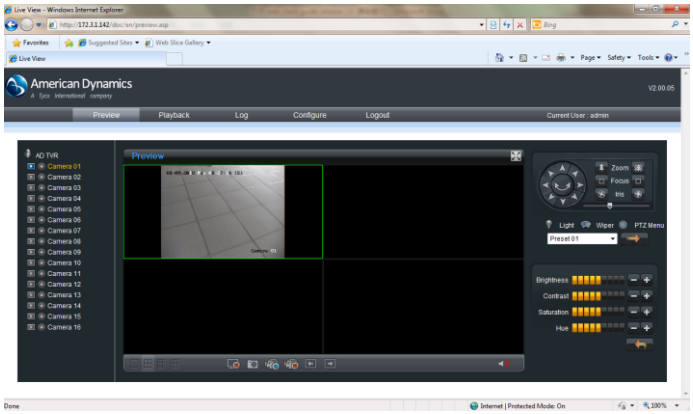

Figure 3-8

Note

Recording will stop automatically when the disk partition has less than 500M free space or quit live view.

3.2.2 Snap shot

Enter Config > Local Config, set the save path for preview image files, as shown in Figure 3-9.

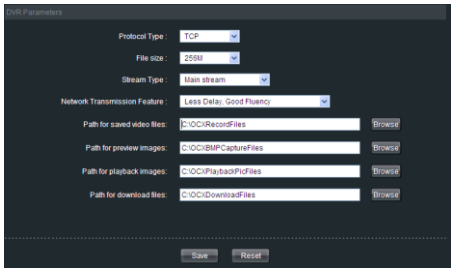

Figure 3-9

In preview mode, click on icon to take snap shot, and then the folder of saved image files will pop up.

Note

Snap shot will fail when the partition has less than 500M free space.

3.3 Voice talk

In preview mode, click on the icon to start voice talk with the TVR, click icon to stop voice talk, as shown in Figure 3-10.

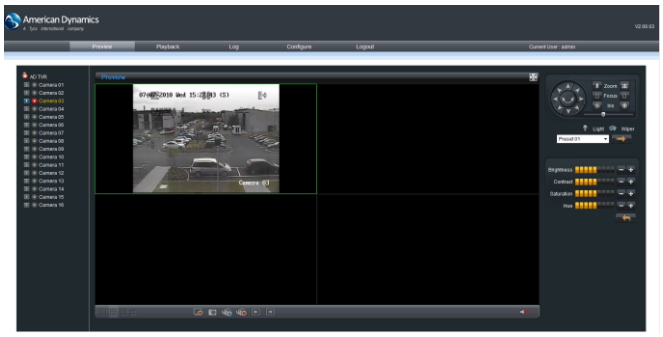

Figure 3-10

3.4 Image parameters

Select a camera in preview mode, and then Brightness, Contrast, Saturation and Hue can be adjusted as shown in Figure 3-11.

Click on to increase level, click on to decrease level, or click on or to set appropriate level.

Click on to restore default settings.

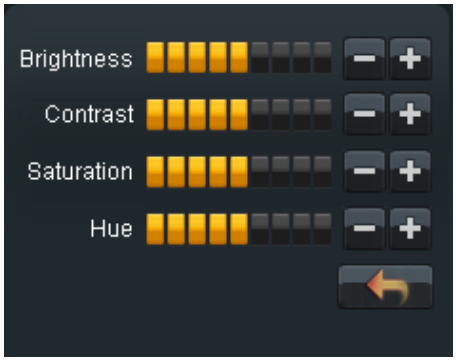

Figure 3-11

4 PTZ

In the preview interface, the user can operate PTZ control.

Before PTZ operations, please make sure that RS-485 parameters has been correctly configured and the PTZ camera or Speed Dome have been connected. Please refer to chapter *7.3.4 Serial Parameters* for PTZ RS485 configuration.

(Please note that when using a PTZ dome such as the AD Ultra 8 for example, which uses the AD422 PTZ protocol 4800 baud, it is necessary to reboot or power up the camera after the PTZ settings have been entered in the TVR PTZ menu. During the power up operation the camera will detect the type of PTZ network it is connected to. An on screen message over the camera's video will display "detecting network". During this time the user should click on one of the direction arrows shown in Figure 9-3 below. After about 30 seconds the network will be detected and display "EIA422". Continue to click on one of the direction arrows for a further 15 seconds and the camera should respond to the PTZ commands being sent.)

There are 8 keys to control PTZ directions, click the icon to start and stop auto scan. The function of this button when used with an AD Ultra 8 camera or Optima LT camera is to initiate the "apple peel" pattern. Clicking the icon again stops the "apple peel" pattern.
Click the function keys on the right to adjust focus, iris and zoom.
Click the icon to turn on light, click the icon to start wiper. (This operation may not be applicable for all cameras)
Click the icon to access to PTZ menu. Click buttons to move upward and downward in the dome camera's menu. Focus out button acts as the enter button in camera dome menu.
If a preset has been configured correctly, user can select the preset from dropdown list and click to call it.

Figure 4-1

Note

The user can control PTZ in preview mode only.
The PTZ Menu function is only available for cameras that contain an inbuilt PTZ domes menu. If a dome has no PTZ menu, there will be no response when clicking this button.

5 Playback

Click on Playback to enter the playback interface.

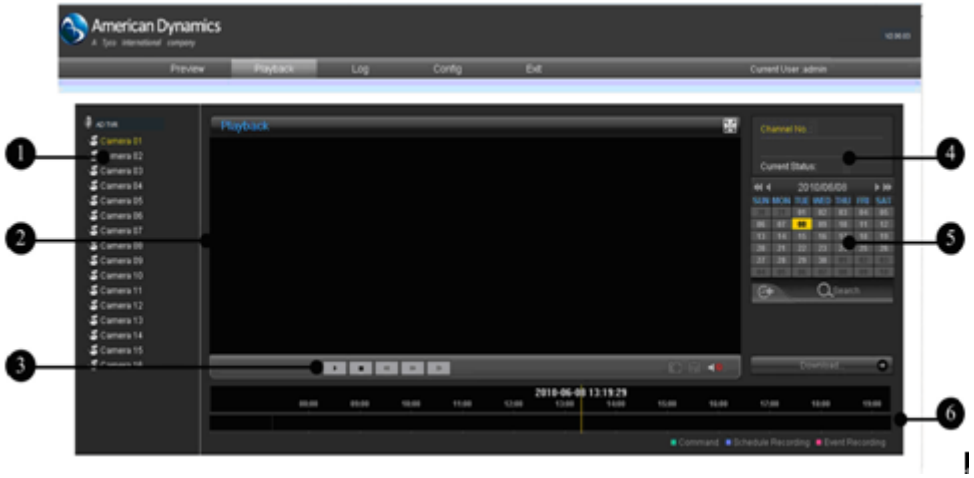

Figure 5-1

Interface description:

Area	Description		Area	Description
❶	Channel area		❷	Playback window
❸	Play control buttons		❹	Playback status
❺	Query area		❻	Time axis area

Table 5-1

Play control buttons:

Button	Description		Button	Description
▶	Play		■	Stop
◀◀	Slow forward		▶▶	Fast forward
▶|	Single frame forward		📷	Snap shot
💾	Save clip		🔊	Enable/Disable sound

Table 5-2

5.1 Video search

Click on the channel name and choose the camera for playback from channel area, as shown in figure 5-2.

Figure 5-2

Click on the calendar to select date for video search, as shown in figure 5-3.

Table 5-3

Click on the search button, then the Search result will appear on time bar.

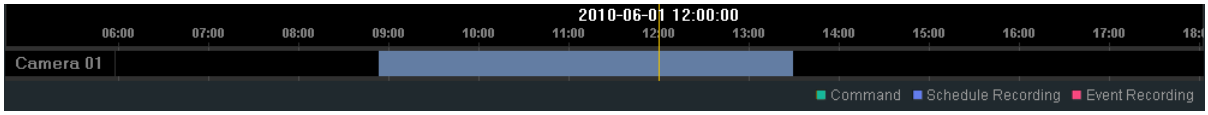

Table 5-4

Drag the camera time bar to locate the start point for playback, different colors represent different recording types, such as command recording, schedule recording and event recording.

5.2 Play video

After the video search, click on to begin playback. You can also double click on the recording time bar to start playback.

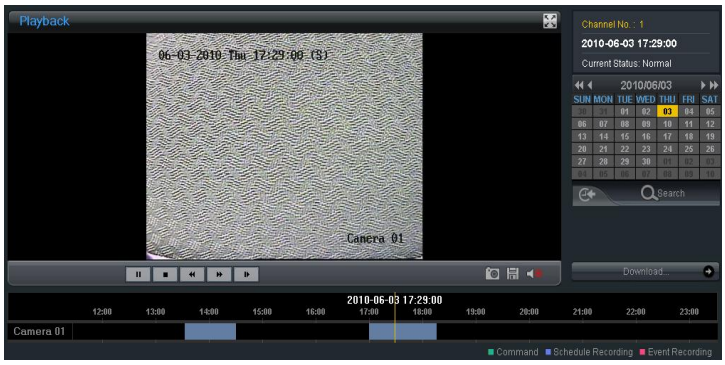

Table 5-5

The playback status zone will show the playback channel number, playback speed and start time, as shown in Figure 5-6.

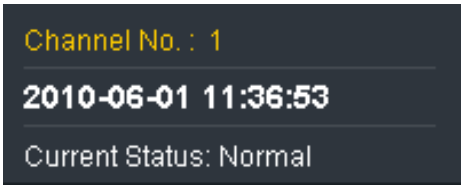

Table 5-6

To locate the playback time, click on the icon and input the start time for playback, then click on the GO button, it will begin playback at the specified time, as shown in Fig 5-7.

You can also drag the time bar directly with respect to the yellow marker line ‘’, then click on the play

button to start playback from the yellow marker line time.

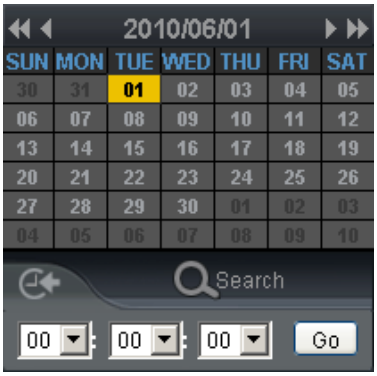

Table 5-7

5.3 Screenshot and download

Enter Config > Local Config, set the save path for playback image files and download files.

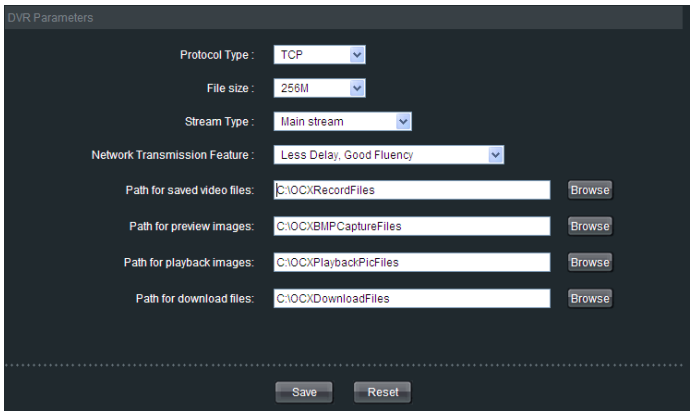
DVR Parameters
Protocol Type : TCP
File size : 256M
Stream Type : Main stream
Network Transmission Feature : Less Delay, Good Fluency
Path for saved video files: C:\OCXRecordFiles Browse
Path for preview images: C:\OCXBMPCaptureFiles Browse
Path for playback images: C:\OCXPlaybackPicFiles Browse
Path for download files: C:\OCXDownloadFiles Browse
Save Reset

Table 5-8

In playback mode, click on the icon to take snap shot, and then the folder of saved image files will pop up.

In playback mode, click on the icon to save video clip, then the “save as” dialog box will pop up as shown in Fig 5-9, input file name and click on the Save button to start downloading, Click on the icon to stop downloading.

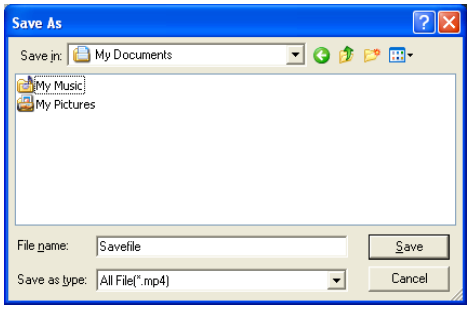

Table 5-9

Note

The Snap shot will fail when the drive has less than 500M free space.

After a successful video search, click on the Download... button to display a new dialog box as shown in Fig 5-10. All the video files for that day will be listed according to the Start time. Select desired files and click on Download to start downloading, click on Stop to stop downloading.
During the downloading process, serial numbers of files and the download progress bar are displayed.

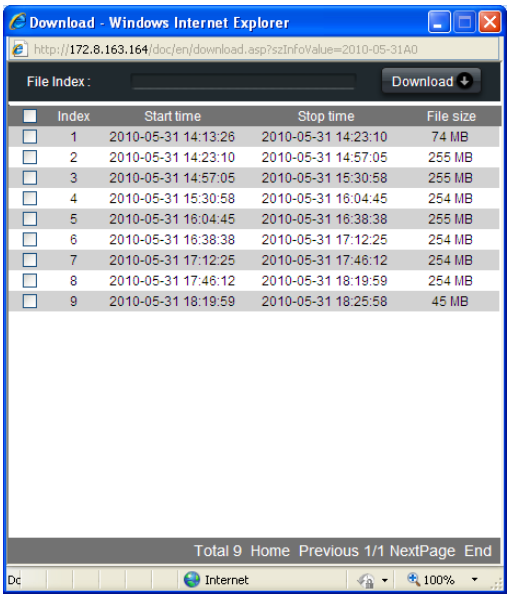

Table 5-10

Note

If the default download folder is not created successfully, please check that you are operating the Internet Explorer browser as an administrator.

6 Log

Click on **Log** to enter log search interface, as shown in Figure 6-1.

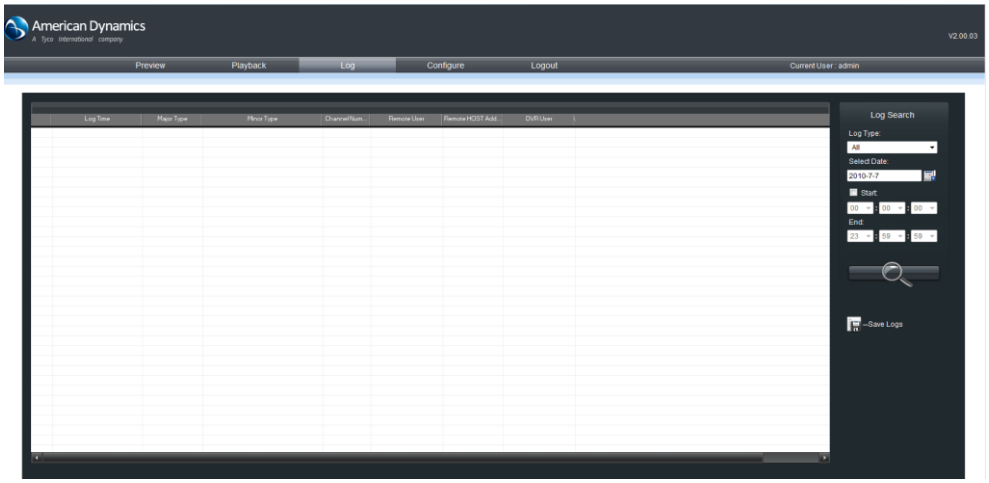

Figure 6-1

Select log type and date as shown in Figure 6-2, and then click on to search matched logs.

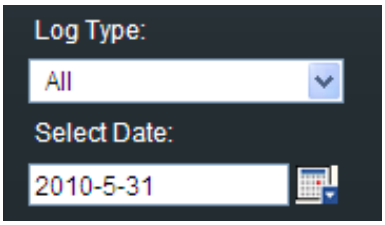

Figure 6-2

To search logs by a specified time range, you can tick as shown in Figure 6-3 and input time range for video search.

Figure 6-3

Click on to export log with either Excel or Text format.

Note

You can search and display up to 2000 logs, please reduce the search time range or filter the Log Type if there are more than 2000 logs.

7 Configure

Click on **Config** to enter configure interface, there are two options - **Local Config** and **Remote Config**.

7.1 Local configuration

Click on **Local Config** to enter local parameters settings, as shown in Figure 7-1.

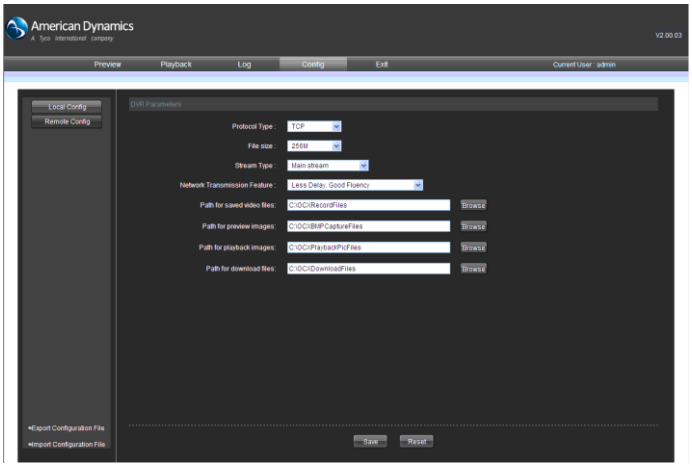

Figure 7-1

Local parameters description:

Local Configure	Parameters	Description
Local parameters	Protocol type	Set network protocol, TCP and UDP are available.
	File size	Set the file size for recording.
	Stream type	Set stream type for network preview and recording, main stream and sub stream are available.
	Network Transmission Feature	Set network transmission performance and fluency.
	Path for saved video files	Set the path for local recording.
	Path for preview images	Set the path for preview snap shot.
	Path for playback images	Set the path for playback snap shot.
	Path for download files	Set the path for download recording.

Table 7-1

7.2 Export and import configuration file of TVR

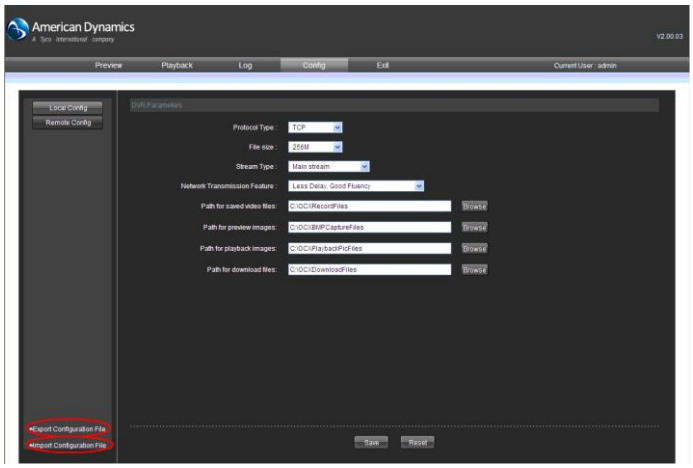

Figure 7-2

Click on **Export Configuration File**, then a dialog box will be popped up as shown in Figure 7-3. Select save directory for configuration file, and then click on OK button.

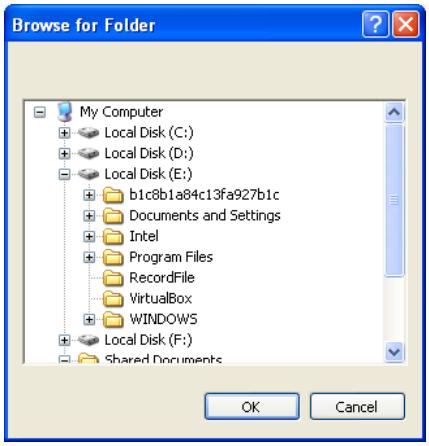

Figure 7-3

Click on **Import Configuration File**, then a dialog box displays as shown in Figure 7-4. Select configuration file and click on Open button.

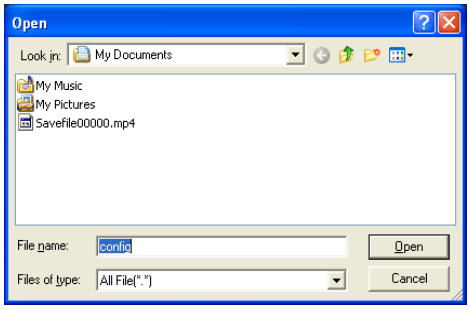

Figure 7-4

Note

Export and import configuration file can be used for same model only. For example, configuration file of

one ADTVR04XXX unit can be applied to other ADTVR04XXX units only, and can not be applied to ADTVR08XXX or ADTVR16XXX.

7.3 Remote Configuration

You can remotely configure the parameters of the device, including recording schedule, alarm schedule and etc.

Click on **Remote Config** to enter remote parameters settings, as shown in Figure 7-5.

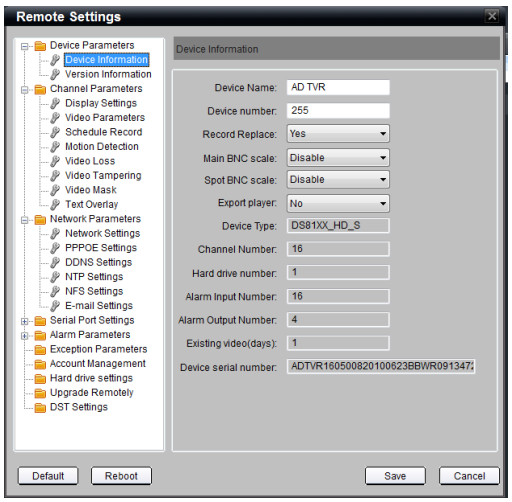

Figure 7-5

7.3.1 Device Parameters

In the Remote Setting menu, select the Device Parameters to set the TVR parameters.

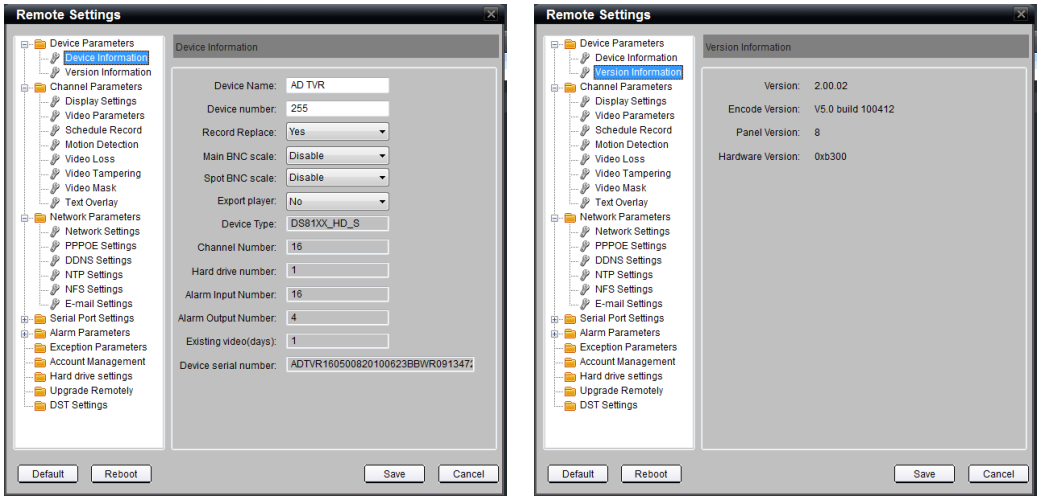

Figure 7-6

There are two parts to the Device Parameters: Device Information and Version Information.

Device Information:

Device name: 32 letters maximum, 16 characters maximum.

Device ID: The largest ID number is 255.
Record replace: To overwrite the record after the HDD is full, select [YES]. To stop the record after the HDD is full, select [NO].
Main BNC scale: Enable/disable video output scaling for main video output.
Spot BNC scale: Enable/disable video output scaling for aux video output.
Export player: To backup video with player, choose [YES]. To backup video without player, choose [NO].
The Channel number, HDD number, Alarm input number, Alarm output number, Device type and **Serial number** are not modifiable.
Existing Video (days): This indicates how many days' video has been recorded on hard drive.

Version Information:
Firmware version, Hardware version, Encode version and **Front panel version** are not modifiable.
Click [Save]. Click [Reboot] if necessary.

7.3.2 Channel Parameters

In the Remote Configuration menu, select the Channel configuration button to set the channel parameters.

7.3.2.1 Channel Display Settings

Select Channel Parameters → Display Settings
You can configure channel name, OSD and related parameters here.
Channel name: User-defined; 32 letters or 16 characters maximum.
Setup OSD properties: Select whether to Display OSD, Display Position, Display Week, OSD Properties (Non Transparent&Flashing, Non Transparent&Non Flashing, Transparent&Flashing, Transparent&Non Flashing) and the OSD Type (date and time display format: MM-DD-YYYY).
Setup the Channel Name properties: Select whether to display Channel Name (Display name) and the Display Position.

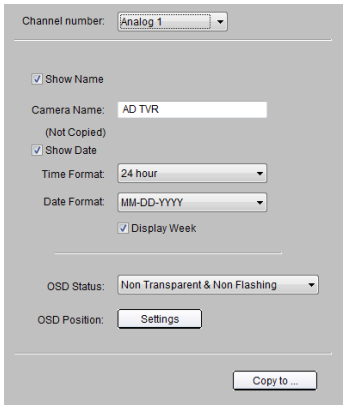

Figure 7-7

7.3.2.2 Encoding Parameters Configuration

Select Channel Parameters → Video Parameters to enter encoding parameters configuration interface.

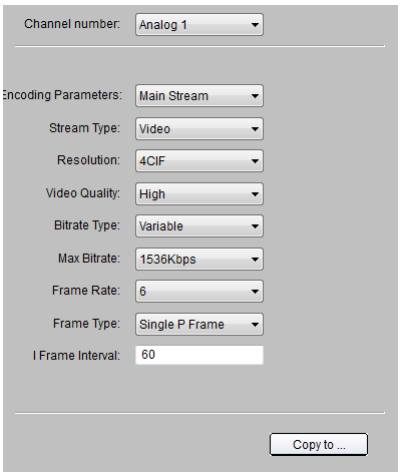

Figure 7-8

Parameters	Description
Encoding Parameters	Main/Sub stream and Event Parameters. Generally, Main stream is used for recording. Sub stream is used for network transmission.
Stream Type	Video&Audio or Video stream only. If [Video&Audio] is selected in the channel properties interface, then both video and audio can be recorded. Otherwise, select [Video] only.
Resolution	Recording Resolution. Default: 2CIF. Options: QCIF, 2CIF, DCIF and 4CIF. Only QCIF and CIF can be selected when the Type is Sub stream.
Video Quality	6 options (only effective for variable bit rate type): Highest, Higher, High, Average, Low and Lowest.
Bit Rate Type	Variable & Constant
Max Bit rate	Maximum bit rate of the compressed stream Options: 32kbps, 48kbps, 64kbps, 80kbps, 96kbps, 128kbps, 160kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps, 448kbps, 512kbps, 640kbps, 768kbps, 896kbps, 1Mbps, 1.25Mbps, 1.5Mbps, 1.75Mbps, 2Mbps and Custom (user-defined).
Frame Rate	Record frame rate, from 1/16 to full frame
Frame Type	BBP & Single P frame
I frame interval	The interval between two I frames

Table 7-2

7.3.2.3 Schedule Record

1. Select Channel Parameters → Schedule Recording to enter configuration interface.
   Enable recording by clicking the tick.

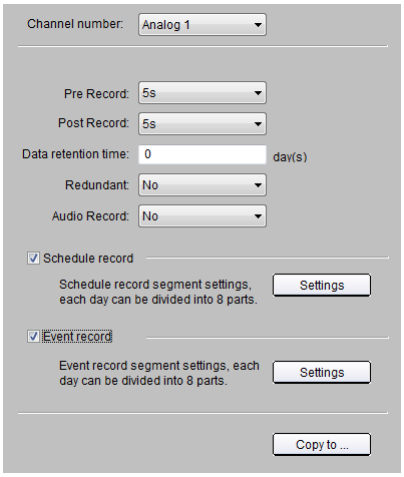
Channel number: Analog 1
Pre Record: 5s
Post Record: 5s
Data retention time: 0 day(s)
Redundant: No
Audio Record: No
Schedule record
Schedule record segment settings, each day can be divided into 8 parts.
Settings
Event record
Event record segment settings, each day can be divided into 8 parts.
Settings
Copy to ...

Figure 7-9

Parameters	Description
Redundant	Redundant for this channel or not (When redundant disk is available)
Days retention time	Storage life of recorded files in redundant disk, expired data will be deleted
Audio Record	Recorded files include audio or not
Pre Record	Recording time options before alarm. Options: No PreRecord, 5s, 10s, 15s, 20s, 25s, 30s and Maximum.
Post Record	Recording time options after alarm stopped. Options: 5s, 10s, 30s, 1min, 2min, 5min and 10min.
Schedule Record	Normal Record schedule segment settings.
Event Record	Event Record schedule segment settings.

Table 7-3

2. Click “Settings” of the “Schedule Record” to enter recording schedule configuration interface. Select “Weekday” as some day of the week or the whole week for recording time. The “All Day Record” or 8 “Segments” can be selected as well.

   Note

   The time of each segment can not be overlapped.

Figure 7-10

3. Click “Settings” of the “Event Record” to enter event recording schedule configuration interface.
   Select “Weekday” as some day of the week or the whole week for recording time. The “All Day Record” or 8 “Segments” can be selected as well.
   Click event type drop down list to select the recording type.
   Note
   The time of each segment can not be overlapped.

Figure 7-11

7.3.2.4 Motion Detection Setting

1. Click Motion Detection to enter motion detection recording interface.
2. Select channel number for motion detection.

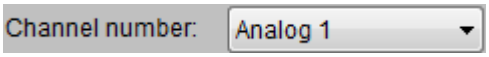

Figure 7-12

3. Enable motion detection to activate “Area Settings”, “Arm Schedule” and “Linkage” settings.

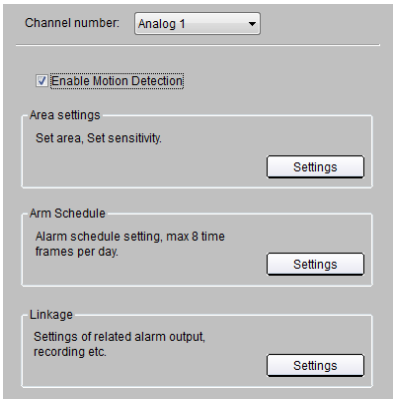

Figure 7-13

4. Set the motion detection area and sensitivity.
   The sensitivity 1 and 6 are the lowest and the highest level.
   Enable “Start Draw”, and select the detection area by using mouse.

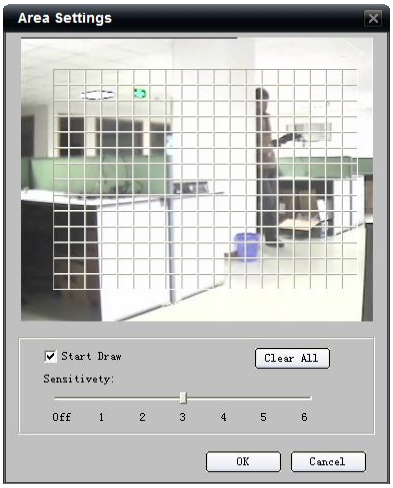

Figure 7-14

5. Set the detection time.
   “Arm Schedule” can be one day or the whole week, and 4 segments for one day.

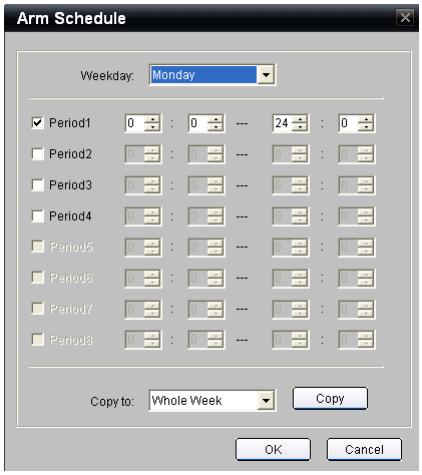

Figure 7-15

6. Set the “Trigger Recording” for linkage.

Click “Setting” in the linkage area and select “Alarm Trigger Mode” tab, choose relevant modes.
Select “Trigger Recording” tab, choose relevant channels.

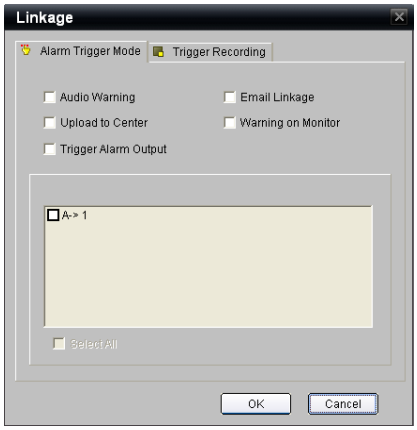

Figure 7-16

7.3.2.5 Video Loss

1. Select the channel number for video loss.
   Click Video Loss to enter Video Lost setting interface.
2. Enable “Video Lost” to activate settings of “Arm Schedule” and “Linkage”

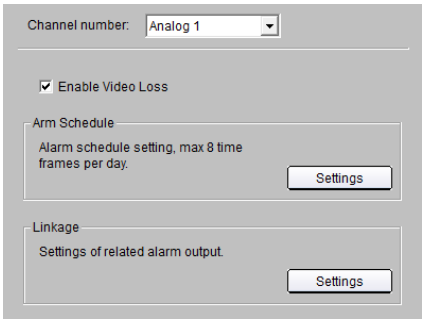

Figure 7-17

3. Set the Arm Schedule for video lost.
   Click “Settings” in “Arm Schedule” menu.
   Select “Weekday” as some day of the week or the whole week for the schedule.
   Note
   The time of each segment can not be overlapped.

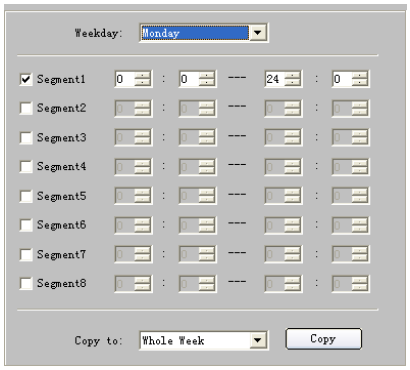

Figure 7-18

4. Set linkage for video loss.
   Click “Settings” in the “Linkage” menu.
   Note
   The Stop recording option is default ON, it will stop recording whenever video lost.

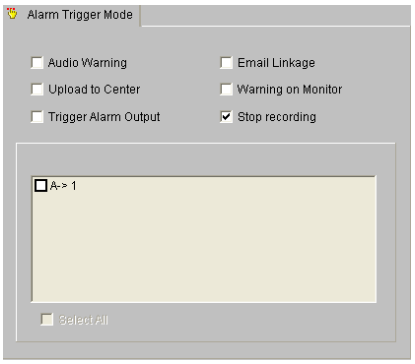

Figure 7-19

7.3.2.6 Video Tampering

1. Select the channel number for video tampering.
   Select Channel Parameters → Video Tampering
2. Enable “Video Tampering Alarm” to activate settings of “Setting Areas”, “Arm Schedule” and “Linkage”

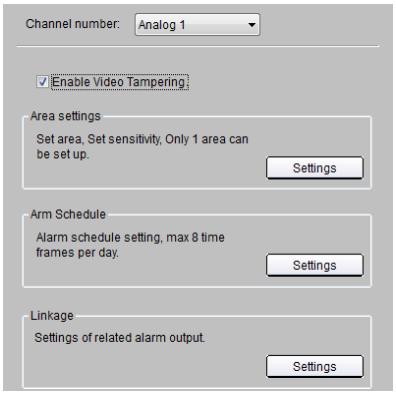

Figure 7-20

3. Set the video tampering area and sensitivity.
   The sensitivity can be divided into three levels: Low, Medium, and High.
   Enable “Start Draw”, and select the detection area by using mouse.

Figure 7-21

4. Set Arm Schedule for video tampering.
   Click “Settings” in “Arm Schedule” menu.
   Select “Weekday” as some day of the week or the whole week for the schedule. 4 “Segments” can be selected.

   Note

   The time of each segment can not be overlapped.

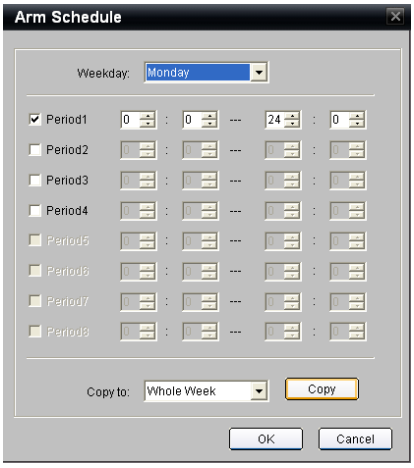

Figure 7-22

7.3.2.7 Video Mask

1. Select channel number, and enable video mask (i.e.☑).
   Select Channel Parameters → Video Mask

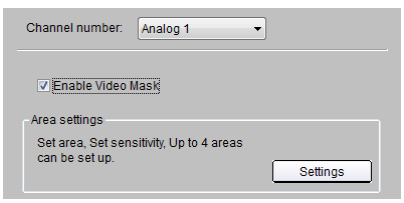

Figure 7-23

2. Set the mask area.
   Click “Settings” to enter area set menu.
   Enable “Start Draw” (i.e.☑), select the mask area by clicking and dragging the mouse.

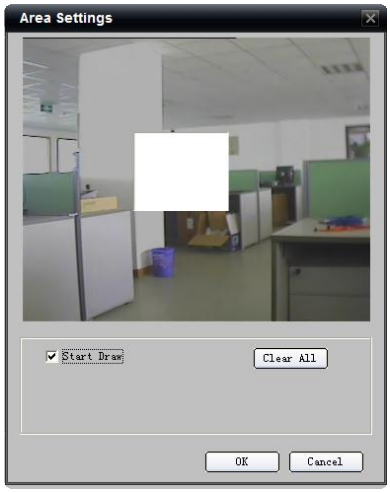

Figure 7-24

7.3.2.8 Text Overlay

You can add characters on the screen of the channel.

Select Channel Parameters → Text Overlay
Tick “Strings 1” (i.e.☑) to enable text overlay, double click the strings area to input the characters you want to overlay on the screen. It supports 6 lines maximum with 44 characters maximum per line.

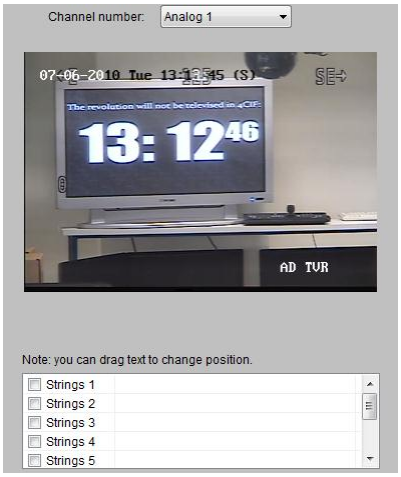

Figure 7-25

7.3.3 Network Parameters

In the Remote setting menu, select the Network Parameters to set the network and relevant parameters.

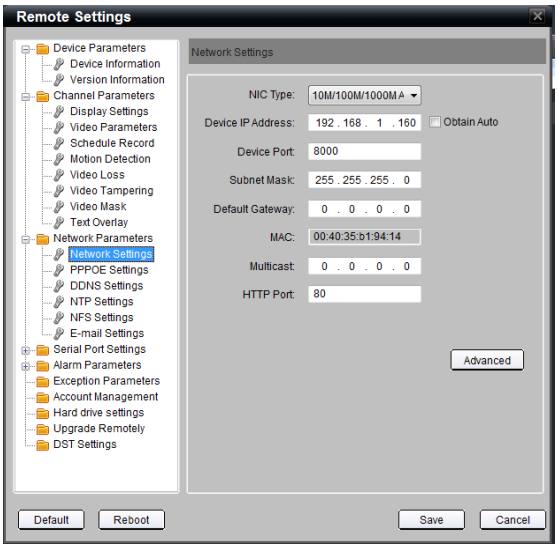

Figure 7-26

7.3.3.1 Basic Configuration

Select Network Parameters → Network Settings

Configure the network according to the actual situation. If there is a DHCP server on the network, check the 'Obtain Auto' checkbox to enable DHCP service.

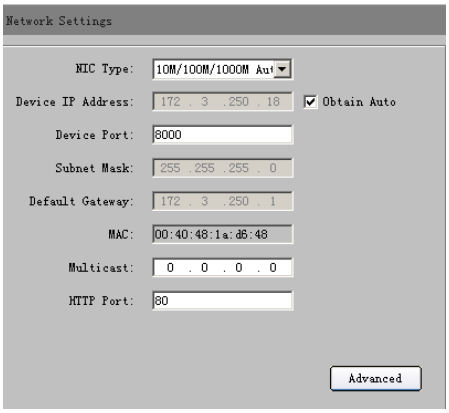
Network Settings
NIC Type: 10M/100M/1000M Au
Device IP Address: 172 . 3 . 250 . 18
Obtain Auto
Device Port: 8000
Subnet Mask: 255 . 255 . 255 . 0
Default Gateway: 172 . 3 . 250 . 1
MAC: 00:40:48:1a:d8:48
Multicast: 0 . 0 . 0 . 0
HTTP Port: 80
Advanced

Figure 7-27

Select "Advance" to enter advanced configuration. You can configure preferred DNS server1 and spare DNS server2, IP address of alarm host.

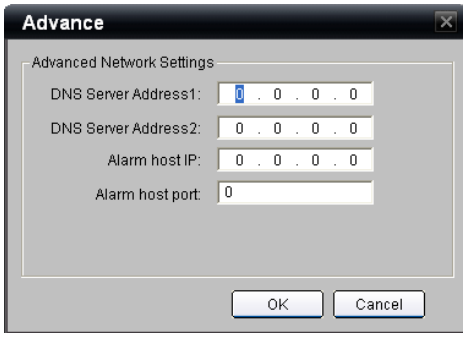
Advance
Advanced Network Settings
DNS Server Address1: 0 . 0 . 0 . 0
DNS Server Address2: 0 . 0 . 0 . 0
Alarm host IP: 0 . 0 . 0 . 0
Alarm host port: 0
OK
Cancel

Figure 7-28

Parameters	Description
Device IP Address	Device's static IP address
Device Port	Device's port, default is 8000
Subnet Mask	Subnet mask
Default Gateway	If you go through a gateway to connect to the server, enter the gateway address
MAC	Not modifiable
Multicast IP	For multicast, enter a D-class IP. Range: 224.0.0.0 - 239.255.255.255
Http Port	Applicable when using IE to connect to the server, default is 80
NIC Type	The default is 10M/100M Auto
DNS1 DNS2	Preferred and spare DNS server
Alarm host	Alarm signal can be uploaded to the IP address automatically

Table 7-4

7.3.3.2 PPPoE

Select Network Parameters → PPPOE Settings

Enable PPPoE by ticking, input the user name and password, then save the changes and reboot the device to make the parameters become effective.

If succeed to dial, the current IP address will be displayed in the blank "DDNS IP".

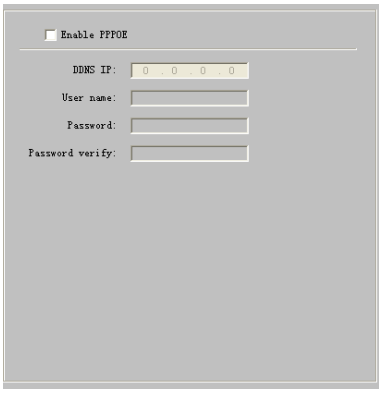

Figure 7-29

7.3.3.3 DDNS

Adopting DDNS function can solve the problems caused by dynamic IP.

Click Network Parameters → DDNS Settings

Enable DDNS.

If the "IPServer" is selected as protocol, then input the address where the IP server is running.

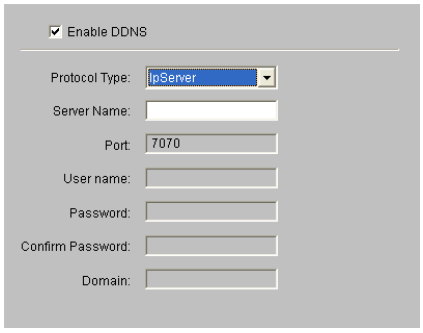

Figure 7-30

If the “Dyndns” is selected as protocol:

Server Name: Input the IP address of the server, such as members.dyndns.org;

Domain: the domain name that user applied for the device, such as test.dynlia.com;

User name, password and verify: the account information that user registered on the Dyndns website

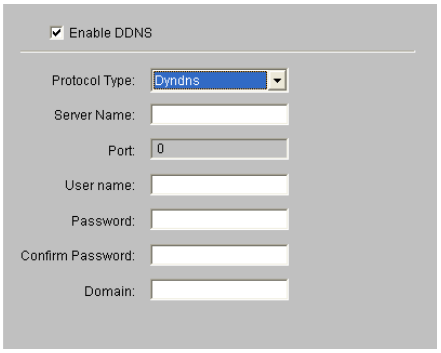

Figure 7-31

If the “PeanutHull” is selected as protocol:

Input the user name and password applied on the Peanut Hull website to visit the device by the applied domain name.

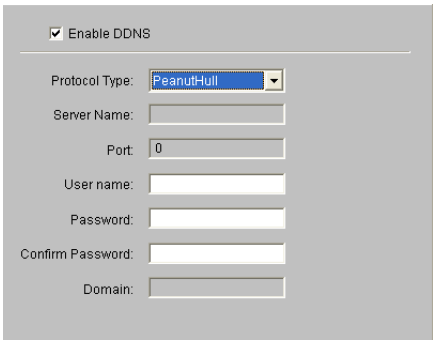

Figure 7-32

7.3.3.4 NTP Setting

NTP is used for synchronizing time data of the device regularly with the time server.

Select Network Parameters → NTP Settings

Tick ☑ to enable NTP function.

Note

Time Synchronization Interval: 0~10080 min (default 60min).

If the device is connected to the public network, the IP address of NTP server provided by carrier can be input in the blank “Server Address”;

If the device is connected to private network, the IP address of NTP server built by NTP software can be input the blank “Server Address”.

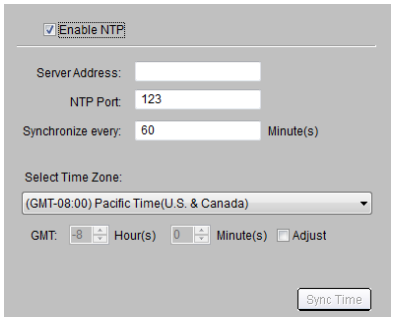

Figure 7-33

7.3.3.5 NFS Setting

By NFS configuration, recorded data can be saved to the network storage disk provided by NAS server.

Select Network Parameters → NFS Settings

Input the IP address of NAS server in the blank “Server IP address”; input the saving path allocated by NAS server in the blank “File Path”.

Note

Make sure that the device supports NFS function and NAS server allocated the storage space correctly.

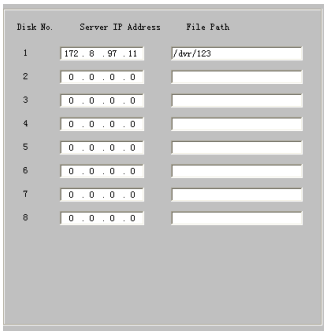

Figure 7-34

Parameters	Description
Disk No.	Network HDD Number (supports a maximum of 8 HDDs).
Server IP Address	The IP of the network storage server.
File Path	The directory for accessing the network storage server.

Table 7-5

7.3.3.6 E-Mail

With E-mail configuration, an e-mail can be sent to the designated mailbox when there is an alarm.

Select Network Parameters → E-mail Settings

If server authentication is needed, enable it (i.e.☑) and input user name and password.
Input the sender and recipient information, if need to send picture, you can enable “Attachment” (i.e.☑).

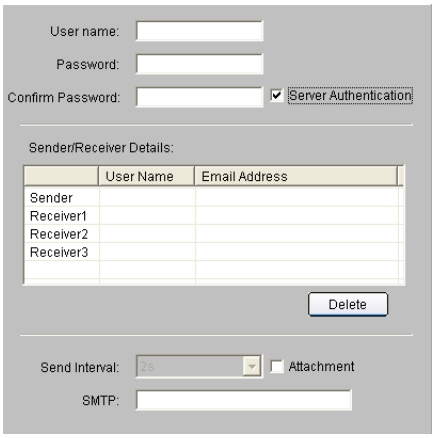

Figure 7-35

Parameters	Description
User Name	Email account’s user name
Password	Email account password
Sender	Name that appears in email
Receiver1, 2, 3	Email recipient’s name
Attachment	Send the email with the JPEG image when abnormity occurs.
SMTP	SMTP supported email sending server

Table 7-6

7.3.4 Serial Parameters

In the Remote Configuration menu, select the Serial Port Settings to set the serial parameters. In this interface, you can configure the RS232 and RS485 parameters.

1. Click “Configure” and enter the corresponding interface.
2. Right click the device name and select “Remote Configuration” from the sub menu.
3. Click ⊞ Serial Port Settings to unfold the options, click on RS232 Settings.

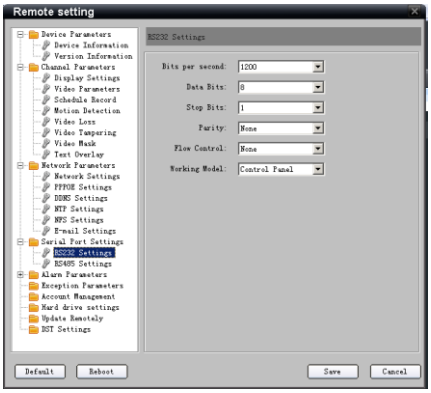

Figure 7-36

Working Mode	Description
Control panel	Connect a PC to the TVR using the PC serial port. Device parameters can then be set using software such as HyperTerminal. The serial port parameters must be the same as the TVR's when connecting with the PC serial port.
Transparent Channel	Connect a serial device directly to the TVR. The serial device will be controlled remotely by the PC through the network and the protocol of the serial device.

Table 7-7

4. Click on RS485 Settings, shown as figure on the right.
   Set parameters for each channel.

Note

RS-485 configuration must be the same with PTZ configuration.

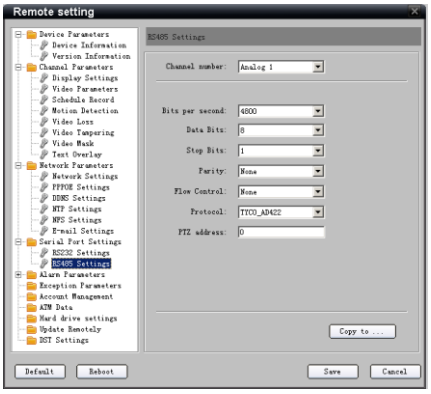

Figure 7-37

7.3.5 Alarm Parameters

In the Remote Configuration menu, select the Alarm configuration tab to set the alarm parameters. You can remotely configure the TVR sensor alarm parameters.

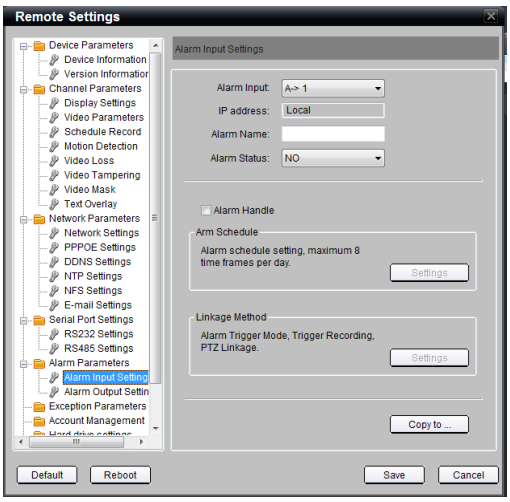

Figure 7-38

7.3.5.1 Alarm Input Settings

Select Alarm Parameters → Alarm Input Settings

1. Select alarm input.
2. Select the type of alarm input, “NO” or “NC”.

Note

The settings will become effective after rebooting.

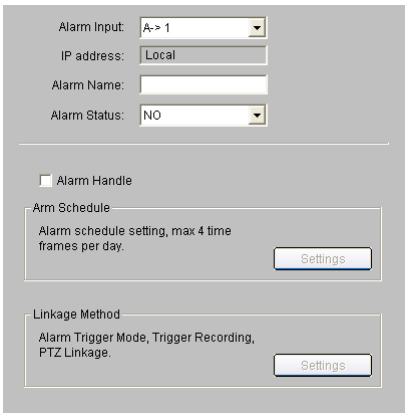

Figure 7-39

3. Enable “Alarm Handle” to activate “Arm Schedule” & “Linkage Method”.

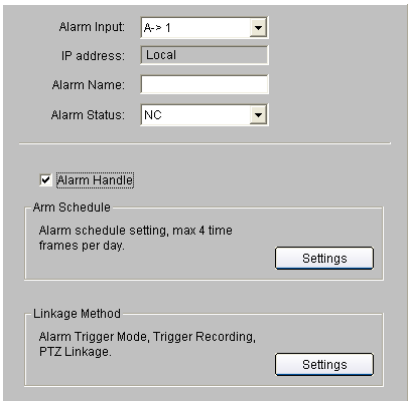

Figure 7-40

4. Set the Arm Schedule for alarm input.
   Click “Settings” in “Arm Schedule” menu.
   Select “Weekday” as some day of the week or the whole week for schedule.
   Note
   The time of each segment can not be overlapped.

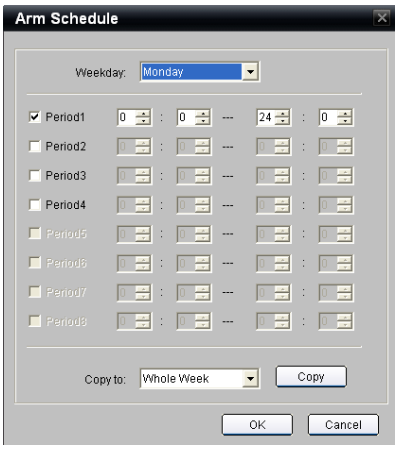

Figure 7-41

5. Set the alarm linkage for signal level and select alarm output channel.

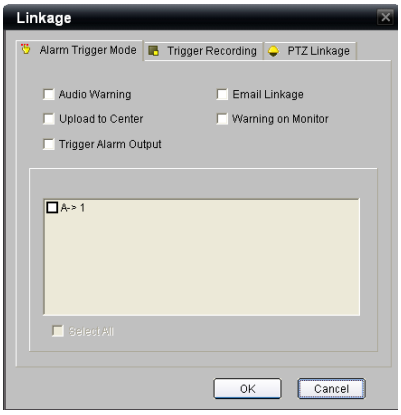

Figure 7-42

6. Set PTZ linkage for signal level alarm.

7.3.5.2 Alarm Output Settings

Select Alarm Parameters → Alarm Output Settings

1. Select alarm output and delay time.

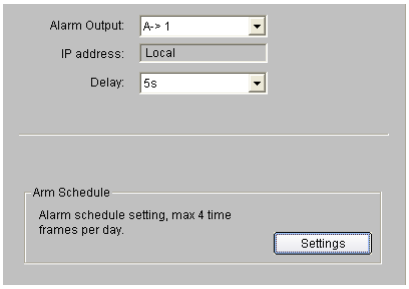

Figure 7-43

2. Set the alarm schedule for alarm Output.

Click “Settings” in “Arm Schedule” menu.

Select “Weekday” as some day of the week or the whole week for recording time.

Note

The time of each segment can not be overlapped.

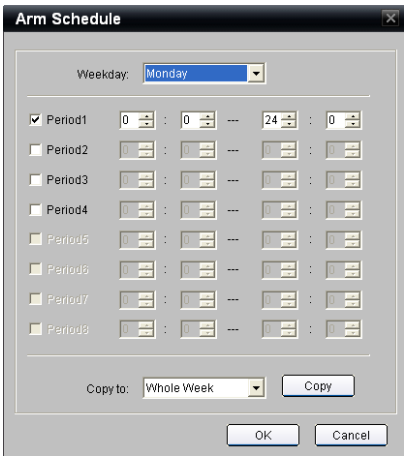

Figure 7-44

7.3.6 Exception Parameters

Exception parameters are for the alarm handle of abnormal event, which is including “HDD Full”, “HDD Fault” (HDD errors or HDD not initialization), “Network Broken”, “IP Address Conflict”, “Illegal Access” (user name or password wrong), “Video Output Standard Mismatch” and “Video Signal Exception” (video signal unstable).

Select the exception type and handle method.

You can configure the exceptions response policy, including: Audio warning, Upload to center, Send Email and Trigger alarm output.

Select Exception Parameters to enter configuration interface.

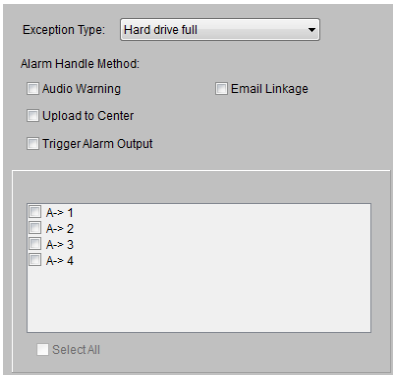

Figure 7-45

7.3.7 Account Management

The default user name and password of device administrator are “admin” and “12345”. Administrator

can remote add, delete users or distribute authority for users. The new added users are divided into two levels: user and operator. (For “Remote Configuration” privilege, operator has “Voice Talk” right, user does not; for “Channel Configuration” privilege, operator has all the rights, user has local playback, remote playback rights.)

Select Account Management

Click “Add” to add user.

Note

If you set the IP address or physical address, and then only the PC with the same IP address or physical address can visit the device through network.

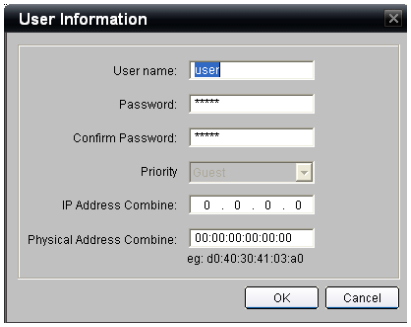

Figure 7-46

Click “Modify” to change the user name and password; click “Delete” to delete the user.

Status means privilege granted, status means privilege not granted.

If the privileges are related to channels, then status means granting the privileges of all channels; status means granting no privileges of all channels.

Click to unfold the channels, and set the privilege for each channel. If only some of the channels have operating privileges, the status will be .

Note

Please refer to the user manual of the device for the detailed descriptions on privileges.

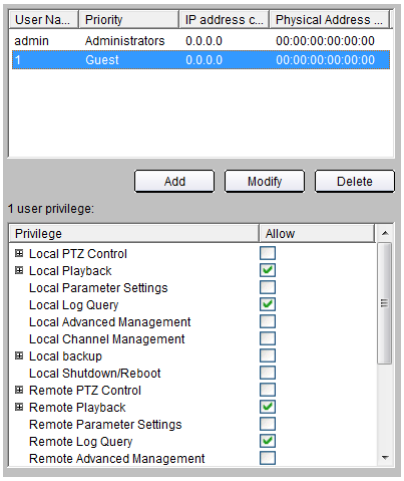

Figure 7-47

7.3.8 Hard drive Settings

HDD Format:

Click Hard drive settings

Note

Please backup the data before formatting hard disk.

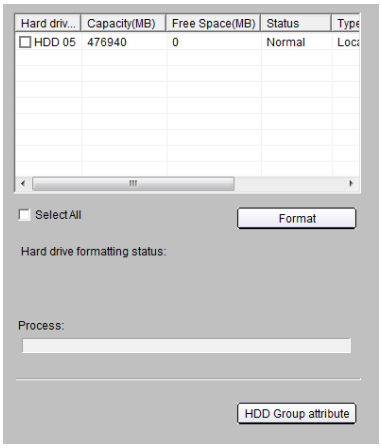

Figure 7-48

7.3.9 Update Remotely

Remote Upgrade:

Click Update Remotely

Click “Browse” to search the local upgrade file, click “Upgrade” to start upgrade remotely.

Figure 7-49

Note

User may need to update Web Client after firmware updated. For Windows Vista and Windows 7, please reboot computer to make the new Web Client become effective after the Web Client upgrade.

7.3.10 DST Settings

DST Settings:

Click DST Settings , then tick to enable DST function.

Select start and end time for DST function, select DST Bias from drop down list and save.

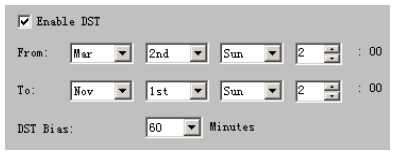

Figure 7-50